



# NEXRAD Radar Operations Center

## Staggered PRT Update

for the  
NEXRAD Technical Advisory Committee  
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by  
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# SPRT Update

- SPRT is being implemented in three phases
  - Phase I: Enable SPRT transmission in the RPV8 and collect data - Complete
  - Phase II: Implement non-operational SPRT without clutter filtering - Complete
  - Phase III: Implement the SACHI clutter filter for SPRT, prepare for operational use (i.e., define VCP, DQ Team approval) - Overcome by dual pol; incomplete



# SPRT Update

- New developments impacting SPRT
  - Dual pol Batch Cut processing anomaly
    - One or two initial high PRF pulses must be dropped for good CC values
    - Impacts on SPRT unknown and needs to be investigated
  - NSSL has since developed CLEAN-AP
    - Currently testing performance with SPRT via funding from the DQ MOU
    - Could this be a better option for SPRT?



# SPRT Update

- SPRT is currently targeted for Build 14
- Build 13 had only a few, very important changes
  - Clutter Mitigation Detection merged with dual pol
  - Hybrid Spectrum Width
  - Dual pol support



# Thank You



# Questions?